Result & Analysis

Student: Valliappan L   Test: SIST_2022_SEAT_002   Course: 2023 SEAT Tests

Attempt 1

IP Address: 122.164.51.181   Tab switches: 5   OS used: Windows   Browser used: Chrome

Test Duration: 01:27:57   Test Start Time: Dec 10, 2021 | 10:00 AM   Test Submit Time: Dec 10, 2021 | 11:29 AM

Overall score

38
/ 75

Rank: NA
Topper score: 60.00 / 75
Average score: 29.63 / 75
Least score: 0.00 / 75

Quants

12
/ 20

Rank: NA
Topper score: 18.00 / 20
Average score: 9.90 / 20
Least score: 0.00 / 20

Reasoning

10
/ 20

Rank: NA
Topper score: 16.00 / 20
Average score: 7.18 / 20
Least score: 0.00 / 20

Verbal

10
/ 20

Rank: NA
Topper score: 20.00 / 20
Average score: 10.28 / 20
Least score: 0.00 / 20

Coding

6
/ 15

Rank: NA
Topper score: 15.00 / 15
Average score: 2.27 / 15
Least score: 0.00 / 15

Overall Question Status

61
/ 61

Total Questions: 61

Questions Attempted: 61

Questions Correct: 32

Question Wrong: 28

Partially Correct: 1

Question Not Viewed: 0

Quants - Question Status

20
/ 20

Total Questions: 20

Questions Attempted: 20

Questions Correct: 12

Question Wrong: 8

Partially Correct: 0

Question Not Viewed: 0

Reasoning - Question Status

20
/ 20

Total Questions: 20

Questions Attempted: 20

Questions Correct: 10

Question Wrong: 10

Partially Correct: 0

Question Not Viewed: 0

Verbal - Question Status

20
/ 20

Total Questions: 20

Questions Attempted: 20

Questions Correct: 10

Question Wrong: 10

Partially Correct: 0

Question Not Viewed: 0

Coding - Question Status

1
/ 1

Total Questions: 1

Questions Attempted: 1

Questions Correct: 0

Question Wrong: 0

Partially Correct: 1

Question Not Viewed: 0

| Topic wise Analysis | Quants | Reasoning | Verbal | Coding | ▼ |

Question No: 1   **Single File Programming Question**   Report Error

Gautam has an array, his maths teacher gave him a task that she has an array and gautam has to split the array into two sets containing equal sum. If the set's sum is equal, print those elements or else print -1.

Ex:

Input : arr = {5, 5, 1, 11}

Output :

5 5 1

11

Sum of both the sets is 11 and which is equal.

Input format

1. Input the array count
2. Input the array elements

Output format

Output the array into two sets containing equal sum.(If not sum is equal print -1)

Code constraints

3 <= length(array) <= 100
0 <= arr[] <=100

Sample testcases

Input 1

4
1 5 11 5

Output 1

1 5 5
11

C (17) ⌄   ⚙ 📋

```c
1   // You are using GCC
2   #include<bits/stdc++.h>
3   using namespace std;
4   void printEqualSumSets(int arr[], int n){
5       int i,currSum;
6       int sum=accumulate(arr,arr+n,0);
7       if(sum&1){
8           cout<<"-1";
9           return;
10      }
11      int k=sum>>1;
12      bool dp[n+1][k+1];
13      for(i=1;i<=k;i++){
14          dp[0][i]=false;
15      }
16      for(i=0;i<=n;i++){
17          dp[i][0]=true;
18      }
19      for(i=1;i<=n;i++){
20          for(currSum=1;currSum<=k;currSum++){
21              dp[i][currSum]=dp[i-1][currSum];
22              if(arr[i-1]<=currSum){
23                  dp[i][currSum]=dp[i-1][currSum] |
24                      dp[i-1][currSum-arr[i-1]];
```

Status: Partially correct	**Mark obtained:** 6/15	**Hints used:** 0	**Times compiled:** 5
Times submitted: 2	**Level:** Hard	**Question type:** Single File Programming	
Subject: Programming	**Subject:** Algorithms	**Subject:** Dynamic Programming	

☐ Show testcase scores   ☑ Show solution

Solution 1   C++ (17) ⌄

```cpp
1   // CPP program to print equal sum two subsets of
2   // an array if it can be partitioned into subsets.
3   #include <bits/stdc++.h>
4   using namespace std;
5
6   /// Function to print the equal sum sets of the array.
7   void printSets(vector<int> set1, vector<int> set2)
8   {
9       int i;
10
11      /// Print set 1.
12      for (i = 0; i < set1.size(); i++) {
13          cout << set1[i] << " ";
14      }
15
16      cout << "\n";
17
18      /// Print set 2.
19      for (i = 0; i < set2.size(); i++) {
20          cout << set2[i] << " ";
21      }
```